## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the applications:

## Listing of Claims:

- Claim 1. (Original) A dispenser comprising:
  - a feeder bowl for receiving items to be dispensed;
  - a first vibration device for vibrating said feeder bowl;
  - a plurality of dispensing paths positioned around said feeder bowl; and
- a rotation drive for rotating said dispensing paths, wherein said dispensing paths comprise at least one second vibration device for vibrating said dispensing paths proportionately to a physical characteristic of each of said items, such that said dispensing paths dispense said items singularly.
- Claim 2. (Withdrawn) The dispenser of claim 1, wherein each of said dispensing paths is arc-shaped.
- Claim 3. (Withdrawn) The dispenser of claim 2, wherein each of said arc-shaped dispensing paths curves in a direction opposite to a direction of rotation of said feeder bowl.
- Claim 4. (Original) The dispenser of claim 1, wherein each of said dispensing paths extends radially from said feeder bowl.
- Claim 5. (Original) The dispenser of claim 1, wherein each of said dispensing paths receive said items directly from said feeder bowl.
- Claim 6. (Original) The dispenser of claim 1, wherein each of said dispensing paths comprises at least one channel for dispensing items singularly.
- Claim 7. (Original) The dispenser of claim 6, wherein a width and a depth of each of said channels increases as said channels extend from said feeder bowl.
- Claim 8. (Original) The dispenser of claim 6, wherein said at least one second vibration device vibrates each of said channels together or independently.
- Claim 9. (Original) The dispenser of claim 6, wherein said at least one second vibration device vibrates each of said channels proportionately to a physical characteristic of said items.
- Claim 10. (Original) The dispenser of claim 6, wherein said channels are positioned around a periphery of said feeder bowl and wherein said feeder bowl supplies said items to said channels.

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- Claim 11. (Original) The dispenser of claim 1, wherein each of said plurality of dispensing paths comprises a channel with a substantially smooth, item-dispensing surface or a textured, item-dispensing surface.
- Claim 12. (Original) The dispenser of claim 1, wherein said at least one second vibration device comprises a plurality of second vibration devices, each of which second vibration devices vibrates a respective dispensing path to dispense said items singularly.
- Claim 13. (Original) The dispenser of claim 12, wherein each of said plurality of second vibration devices vibrates each of said dispensing paths in two intersecting planes.
- Claim 14. (Original) The dispenser of claim 13, wherein said two intersecting planes comprise a substantially horizontal plane and a substantially vertical plane.
- Claim 15. (Original) The dispenser of claim 1, wherein said at least one second vibration device vibrates each of said dispensing paths proportionately to at least one physical characteristic selected from the group consisting of a density of each of said items, a volume of each of said items, and a weight of each of said items.
- Claim 16. (Original) The dispenser of claim 1, wherein said at least one second vibration device vibrates each of said dispensing paths in at two planes, said at least two planes being transverse to one another.
- Claim 17. (Original) The dispenser of claim 6, further comprising:
- a dispensing head positioned at a distal end of each of said channels for receiving said singularly-dispensed items, wherein each of said dispensing heads may direct predetermined quantities of items to a container or divert predetermined quantities of items away from a container.
- Claim 18. (Original) The dispenser of claim 17, wherein said dispensing head comprises a scale.
- Claim 19. (Original) The dispenser of claim 17, further comprising:

  a sensing unit positioned at each of said dispensing heads.
- Claim 20. (Original) The dispenser of claim 19, wherein said sensing unit measures at least one physical characteristic of each of said singularly-dispensed items and transmits said measurement to a control unit which activates said dispensing head to direct predetermined quantities of items to a container or divert predetermined quantities of items away from a container.

- Claim 21. (Original) The dispenser of claim 20, wherein said physical characteristic measured by said sensing unit is selected from the group consisting of a volume of each of said singularly-dispensed items, a weight of each of said singularly-dispensed items, and a density of each of said singularly-dispensed items.
- Claim 22. (Original) The dispenser of claim 19, wherein said sensing unit is selected from the group consisting of an electromagnetic sensor, a scale, a photoelectric sensor, a proximity sensor, a capacitative sensor, a laser sensor, a fiber optic sensor, and an infrared sensor.
- Claim 23. (Withdrawn) The dispenser of claim 1, wherein said feeder bowl is substantially hemispherical.
- Claim 24. (Original) The dispenser of claim 1, wherein said feeder bowl comprises a plurality of lane dividers for guiding said items along an item-receiving surface of said feeder bowl.
- Claim 25. (Original) The dispenser of claim 1, wherein said feeder bowl comprises a receiving surface selected from the group consisting of a substantially planar item-receiving surface, a substantially conical item-receiving surface, a substantially dome-shaped item-receiving surface
- Claim 26. (Original) The dispenser of claim 1, wherein said feeder bowl comprises a substantially smooth item-receiving surface or a textured, item-receiving surface.
- Claim 27. (Original) The dispenser of claim 1, wherein said feeder bowl comprises: a first sloped member comprising:
  - a first sloped portion; and
- a second sloped portion connected to the first sloped portion via a substantially cylindrical portion, wherein a first slope of the first sloped portion is less than a second slope of the second sloped portion;
- a second sloped member positioned below the first sloped member to receive items from said first sloped member, wherein a third slope of at least a portion of the second sloped member is greater than the second slope.
- Claim 28. (Original) The dispenser of claim 27, wherein the second sloped member is connected to the plurality of dispensing paths, such that the second sloped member rotates with the plurality of dispensing paths.

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Claim 29. (Original) The dispenser of claim 28, wherein the first sloped member is at least member selected from the group consisting of a stationary member and a vibratory member.

Claim 30. (Original) The dispenser of claim 1, further comprising:

a bulk delivery apparatus; and

a bulk delivery drive for controlling a rate of delivery of items from said bulk delivery apparatus to said feeder bowl.

Claim 31. (Original) The dispenser of claim 30, wherein said bulk delivery apparatus comprises a hopper and wherein said bulk delivery drive comprises a hopper vibration device for vibrating said hopper and controlling said rate of delivery of items.

Claim 32. (Original) The dispenser of claim 30, further comprising:

a sensing unit for measuring said items delivered from said bulk delivery apparatus to said feeder bowl.

Claim 33. (Original) The dispenser of claim 32, wherein said sensing unit weighs said items delivered from said bulk delivery apparatus or counts said items delivered from said bulk delivery apparatus, or both.

Claim 34. (Original) The dispenser of claim 1, further comprising:

a refrigeration unit enclosing said dispenser.

Claim 35. (Original) The dispenser of claim 1, where said first vibration device vibrates said feeder bowl, such that said feeder bowl supplies items uniformly to said dispensing paths, and wherein said at least one second vibration device vibrates each of said dispensing paths and said rotation drive rotates each of said dispensing paths, such that said dispensing paths dispense said items singularly.

Claim 36. (Original) The dispenser of claim 1, wherein said first vibration device vibrates said feeder bowl independently of a vibration imparted by said at least one second vibration device to each of said dispensing paths.

Claim 37. (Original) The dispenser of claim 36, wherein said at least one second vibration device comprises a plurality of second vibration devices, each of which vibrates one of said dispensing paths proportionately to said physical characteristic of said items, such that said dispensing paths dispense said items singularly.

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Claim 38. (Original) The dispenser of claim 1, wherein said first vibration device vibrates said feeder bowl, proportionately to said physical characteristic of said items, such that said feeder bowl supplies said items uniformly to said dispensing paths.

Claim 39. (Original) The dispenser of claim 1, wherein said physical characteristic comprises at least one physical property selected from the group consisting of a density of each of said items, a volume of each of said items, a weight of each of said items, a temperature of each of said items, and a frictional coefficient of a surface of each of said items.

Claim 40. (Original) A method of dispensing items from a dispenser comprising the steps of:

delivering a plurality of items onto a feeder bowl;

vibrating said feeder bowl, such that said items are supplied uniformly from said feeder bowl to a plurality of dispensing paths positioned around said feeder bowl;

rotating said dispensing paths; and

vibrating said dispensing paths, such that said dispensing paths dispense said items singularly.

Claim 41. (Original) The method of claim 40, wherein the step of rotating said dispensing paths comprises the step of:

rotating said dispensing paths around said feeder bowl.

Claim 42. (Original) The method of claim 40, wherein said step of vibrating said dispensing paths comprises the step of:

vibrating each of said dispensing paths independently of said vibration of said feeder bowl.

Claim 43. (Original) The method of claim 40, further comprising the step of:

vibrating said feeder bowl and said dispensing paths proportionately to a physical characteristic of each of said items, so that said feeder bowl supplies said items uniformly to said dispensing paths and said dispensing paths dispensed said items singularly.

Claim 44. (Original) The method of claim 40, further comprising the steps of:

measuring a physical characteristic of each of said items as said items are dispensed singularly from said dispensing paths; and

counting each of said items whose measured physical characteristic is within said predetermined range of physical characteristics.

Claim 45. (Currently Amended) The method of claim [[179]] 40, wherein each of said dispensing paths comprises at least one channel and wherein the step of vibrating said dispensing paths comprises the step of vibrating said channels proportionately to a physical characteristic of each of said items, so that of each of said channels dispenses items singularly.

Claim 46. (Original) The method of claim 40, further comprising the steps of: weighing each of said singularly-dispensed items; and

identifying each of said items whose weight is greater than or less than a predetermined range of weights.

Claim 47. (Original) The method of claim 40, further comprising the steps of measuring a density of each of said singularly-dispensed items; and

identifying each of said items whose densities is greater than or less than a predetermined range of densities.

Claim 48. (Original) The method of claim 40, further comprising the steps of:

measuring a volume of each of said items dispensed from said dispensing paths;

and

identifying each of said items whose volume is greater than or less than a predetermined range of volumes.

Claim 49. (Original) The method of claim 40, wherein each of said dispensing paths comprises at least one channel and wherein said step of vibrating said dispensing paths comprises the step of vibrating each of said channels independently of one another and of said feeder bowl.

Claim 50. (Original) The method of claim 40, wherein said step of vibrating said feeder bowl comprises the step of:

vibrating said feeder bowl in a substantially horizontal plane and a substantially vertical plane, or vibrating said feeder bowl in a first plane and a second plane, wherein said first plane and said second plane are transverse to one another.

Claim 51. (Original) The method of claim 40, wherein said step of vibrating said dispensing paths comprises the step of vibrating at least one channel of each of said dispensing paths in a substantially vertical plane.

Claim 52. (Original) The method of claim 40, wherein said step of vibrating said dispensing paths comprises the step of vibrating at least one channel of each of said dispensing paths in a substantially horizontal plane.

Claim 53. (Original) The method of claim 40, wherein said step of vibrating said dispensing paths comprises the steps of:

vibrating each of said dispensing paths in a first plane and in a second plane, wherein said first plane and said second plane are transverse to one another.

Claim 54. (Original) The method of claim 40, further comprising the step of:

vibrating said feeder bowl proportionately to at least one physical characteristic of each of said items, wherein said physical characteristic is selected from the group consisting of a density of each of said items, a volume of each of said items, a weight of each of said items, a temperature of each of said items, and a friction coefficient of a surface of each of said items.

Claim 55. (Original) The method of claim 40, further comprising the step of:

vibrating said dispensing paths proportionately to at least one physical characteristic of each of said items, wherein said physical characteristic is selected from the group consisting of a density of each of said items, a volume of each of said items, a weight of each of said items, a temperature of each of said items, and a friction coefficient of a surface of each of said items.

Claim 56. (Original) The method of claim 40, further comprising the steps of:

measuring a physical characteristic of each of said items dispensed from each of said dispensing paths; and

adjusting said vibration of said dispensing paths if any of said measurements indicate that said items are not being dispensed singularly, so that said dispensing paths dispense said items singularly.

Claim 57. (Original) The method of claim 40, further comprising the steps of:

measuring a physical characteristic of each of said items dispensed from said dispensing paths; and

diverting any of said items whose measured value is greater or less than a predetermined range of physical characteristics.

Claim 58. (Original) The method of claim 40, further comprising the steps of:

dispensing said items singularly from each of said dispensing paths to a respective dispensing head; and

directing predetermined quantities of said items from each of said dispensing heads to a respective container.

Claim 59. (Original) The method of claim 40, further comprising the steps of: counting each of said singularly-dispensed items; and

directing predetermined quantities of said singularly-dispensed items to containers.

Claim 60. (Original) The method of claim 40, further comprising the steps of: measuring each of said items;

identifying items whose measurement is greater than or less than a predetermined range of physical characteristics; and

diverting said identified items away from a container.

Claim 61. (Original) The method of claim 40, further comprising the step of:
supplying refrigerated air to said dispenser to maintain each of said items at a
temperature of less than a predetermined temperature.

Claim 62. (Original) The method of claim 40, further comprising the steps of: directing electromagnetic energy from a source onto a detector; and

measuring a volume of each of said items that pass between said source of electromagnetic energy and said detector based on a change in the level of electromagnetic energy detected by said detector.

Claim 63. (Original) The method of claim 40, further comprising the steps of:

measuring a level of electromagnetic energy received from a source of electromagnetic energy at a detector; and

measuring a change in said level of electromagnetic energy received at said detector as each of said items passes between said source and said detector.

Claim 64. (Original) The method of claim 40, further comprising the steps of:

positioning an electromagnetic energy source and a detector at a distal end of each of said dispensing paths;

passing each of said singularly-dispensed items between one of said electromagnetic sources and a respective one of said detectors;

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measuring a change in a level of electromagnetic energy received by said detector as each of said items passes between said source and said detector; and

calculating a volume of said items based on said measured changes.

Claim 65. (Original) The method of claim 40, further comprising the steps of:

measuring each of said items as they are dispensed from said dispensing paths;

and

adjusting said vibration of said feeder bowl if any of said measurements indicate that said dispensing paths are not dispensing said items singularly.

Claim 66. (Original) The method of claim 40, further comprising the steps of:

measuring a physical characteristic of each of said items as they are dispensed from said dispensing paths; and

adjusting said vibration of said feeder bowl and said dispensing paths if any of said measurements indicate that said dispensing paths are not dispensing said items singularly.

Claim 67. (Original) The method of claim 40, further comprising the steps of:

measuring a physical characteristic of each of said items as they are dispensed;

and

directing predetermined quantities of said items whose measured value is within a predetermined range of measurements to a container.

predetermined range of measurements to a container.

Claim 68. (Original) The method of claim 40, further comprising the steps of:

measuring a volume of each of said items as they are dispensed from said dispensing paths; and

dispensing predetermined volumes of said items to a container.

Claim 69. (Original) The method of claim 40, further comprising the steps of:

measuring a physical characteristic of each of said items as they are dispensed singularly from each channel of said dispensing paths; and

adjusting said vibration of said feeder and said dispensing paths if any of said measurements indicates that any of said channels of said dispensing paths are not dispensing said items singularly, so that said channels of said dispensing paths dispense said items singularly.

Claim 70. (Original) The method of claim 40, further comprising the steps of: dispensing said items to a plurality of dispensing heads; directing predetermined quantities of said items from each of said dispensing heads to a container.

Claim 71. (Original) The method of claim 40, further comprising the steps of: dispensing said items to a plurality of dispensing heads;

directing predetermined volumes of said items from each of said dispensing heads to a container.

Claim 72. (Original) The method of claim 40, wherein said items are selected from the group consisting of a dried food item, a frozen food item, and a thawed food item.

Claim 73. (Original) The method of claim 40, wherein said items are non-food items.

Claim 74. (Original) The method of claim 40, further comprising the steps of: measuring a physical characteristic of each of said items dispensed from said

dispensing paths; and

adjusting a rotational speed of said dispensing paths if any of said measurements indicate that said dispensing paths are not dispensing said items singularly, so that said dispensing paths dispense said items singularly.

Claim 75. (Original) The method of claim 40, further comprising the steps of:
delivering said plurality of items from a bulk delivery apparatus onto said feeder
bowl;

measuring said delivered items; and adjusting a rate of delivery of said plurality of items.

Claim 76. (Original) The method of claim 40, further comprising the steps of: counting each of said singularly-dispensed items;

filling at least one dispensing head with a predetermined quantity of said singularly-dispensed items; and

directing said predetermined quantity of said items to a container.

Claim 77. (Original) The method of claim 40, further comprising the steps of: measuring a volume of each of said singularly-dispensed items;

filling at least one dispensing head with a predetermined volume of said singularly-dispensed items; and

dispensing said predetermined volume of said items to a container.

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Claim 78. (Original) The method of claim 76, wherein said dispensing head is filled with said predetermined quantity of said items before a container is conveyed to said dispensing head, such that said container may be filled upon arrival at said dispensing head.

Claim 79. (Original) The method of claim 77, wherein said dispensing head is filled with a predetermined volume of said items before a container is conveyed to said dispensing head, such that said predetermined volume may be dispensed to a container as soon as said container arrives at said dispensing head.

Claim 80. (Original) A rotary, vibratory dispenser comprising:

a feeder bowl for receiving items to be dispensed;

a first vibration device for vibrating said feeder bowl;

a rotation drive for rotating said feeder bowl; and

a plurality of dispensing paths positioned around said feeder bowl, wherein said dispensing paths rotate with said feeder bowl and comprise at least one second vibration device for vibrating said dispensing paths proportionately to a physical characteristic of each of said items, so that said dispensing paths dispense said items singularly.

Claim 81. (Original) A method of dispensing items from a rotary, vibratory dispenser comprising the steps of:

delivering a plurality of items onto a feeder bowl;

rotating said feeder bowl;

vibrating said feeder bowl, such that said items are supplied uniformly from said feeder bowl to a plurality of dispensing paths positioned around said feeder bowl;

rotating said dispensing paths; and

vibrating said dispensing paths, so that said dispensing paths dispense said items singularly.

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